

**CIVIL WAR DEFENSES OF WASHINGTON
NATIONAL CAPITOL PARKS–EAST
SPECIALIZED CARTOGRAPHIC SERVICES**

1. **BACKGROUND**

On forested hills surrounding the nation's capital are the remnants of a complex system of Civil War fortifications. Built by Union forces, these strategic buttresses transformed the young capital into one of the world's most fortified cities. These forts remain as windows into the past in the midst of D.C.'s urban green space, offering up recreational, cultural, and natural experiences.

In 1860, The Union capital, Washington, D.C., was a sleepy city of approximately 62,000 residents. The city sat almost completely unprotected with Fort Washington, the lone fortification, being 12 miles south. Virginia a Confederate state, lay on one side of the city, and Maryland, a slave-owning state, was on the on the other, leaving Washington dangerously vulnerable. Realizing the potential danger the city faced, a plan to build additional fortifications for the city was begun and was known as the Defenses of Washington. By 1865, the Defenses of Washington included 68 forts, supported by 93 detached batteries for field guns, 20 miles of rifle pits, and covered ways, wooden blockhouses at three key points, 32 miles of military roads, several stockaded bridgeheads, and four picket stations. Along the circumference of the 37-mile circle of fortifications were emplacements for a total of 1501 field and siege guns of which 807 guns and 98 mortars were in place. The defenseless city of 1860 had become one of the most heavily fortified cities of the world.

Not only did the defenses serve their purpose well by deterring Confederate attack on the Capital, but they impacted the city culturally, socially, and politically. For example, many enslaved people came to the fort system for protection, and settled nearby, changing the cultural landscape of the city, the population doubled in less than five years, and the population changed in character from southern origin to northern newcomers.

2. **PURPOSE**

The purpose of this contract is to create one large map of the greater Washington, D.C. area and four inset maps for a new brochure showing Civil War Defenses. The brochure will use the National Park Service Unigrid graphic identity.

3. **SCOPE OF WORK**

Independently, and not as an agent of the government, the contractor shall provide all labor, equipment, materials and services necessary to compile, design, and produce five maps for a brochure about Civil War Defenses of Washington.

Mapping instructions:

- A. The main map shall fill the entire side of a B6 Unigridd brochure between the top and bottom black bands. (See Fort_map_mockup.jpg on the government-furnished CD-ROM). The map size shall be 16.5” wide x 23.4” high with two inches of bleed on all sides. The bleed area shall contain textured terrain and map linework.
- B. Geographic focus: centered on approximately the Mall, will show the greater Washington, D.C. area and the Civil War era forts encircling the city. The map shall extend from Fort Marcy in the west to Fort Dupont in the east, and from Battleground National Cemetery in the north to Fort Foote in the south, including a visual buffer between these outermost forts and the edge of the map. The top panel of the B6 brochure under the black band is reserved for placement of the four inset maps and shall be free of labels and featured information; only the base map shall appear. The Contract shall create the insets as separate files and not place them on the main map.
- C. The focus of the map shall be the 20 Civil War forts in and around Washington, D.C. The forts include Fort Foote, Fort Greble, Battery Carroll, Fort Stanton, Fort Ricketts, Fort Davis, Fort Dupont, Fort Chaplin, Fort Mahan, Fort Bunker Hill, Fort Totten, Fort Slocum, Fort Stevens, Battleground National Cemetery, Fort DeRussy, Fort Reno, Fort Bayard, Battery Kemble, Fort Marcy, and Fort Ward.
- D. The main map shall include the following map content:
 1. Directional arrows indicating the existence of Monocacy Battlefield, Manassas Battlefield, and Fort Washington Park beyond the map boundaries;
 2. The Fort Circle Hiker-Biker Trail. (See nace_map.pdf on the government-furnished CD-ROM);
 3. Major rivers and water bodies;
 4. NPS and non-NPS parks indicated by different shades of green and with labels;
 5. Other significant landmarks;

6. Shaded relief that prints lightly;
 7. Major and secondary roads with labels and/or road shields;
 8. Washington, D.C. boundary;
 9. Labels for D.C. neighborhoods and select major communities in Maryland and Virginia;
 10. All Metro stops; and
 11. Pictograph symbols for visitor information, restrooms, picnic areas, and parking associated with the 20 fort sites.
- E. The contractor shall prepare larger-scale inset maps of Fort Marcy, Fort Stevens, Battleground National Cemetery, and Fort Dupont. The insets shall each measure 3.5" wide x 2.6" high. Content on the inset maps shall include fort and park details, visitor amenities, city street detail, and scale bars. The inset maps shall be separate files and not included as a part of the larger main map. The area coverage of each inset map shall extend one inch beyond the map neatline.
- F. The contractor shall propose the inclusion of other map content relevant to a visitor to Washington, D.C. and telling the story about Civil War forts.
- G. The map design shall use pastel colors, textures, vignettes, gradients, drop shadows, and other such graphical devices in moderation to give it a tasteful and refined appearance. Using this general guidance, the contractor shall propose a final map design.
- H. The map shall conform to NPS map standards by using Frutiger fonts; NPS type placement conventions; symbols, north arrows, and scales; road shields; and the B6 Unigrid to guide positioning of legend, north arrow, and scale. (refer to B Grid starter map.ait on the government-furnished CD-ROM).
- I. To enhance legibility, the contractor shall avoid using labels at very small point sizes wherever possible.
- J. Shaded relief and other raster elements shall be a layered Adobe Photoshop CS3 file in CMYK color mode, U.S. webcoated SWOP embedded color profile, and 250 dpi.
- K. The contractor shall prepare type and vector elements in Adobe Illustrator CS3 format placing the various classes of map information on separate layers.

4. **DELIVERABLES**

The contractor shall submit work in stages for the Contracting Officer's Representative (COR) review and approval before proceeding to the next phase. Those review stages are specific to presentation and content as follows:

A. **Preliminary Maps:**

Adobe Illustrator and Adobe Photoshop layered files of the main map and four insets with proposed map content and design for NPS review delivered via FTP.

B. **Final Maps:**

Adobe Illustrator and Adobe Photoshop layered files of the main map and four insets with NPS approved map content and design delivered via FTP.

5. **TIME FOR COMPLETION**

All work, including review and approval, shall be completed on or before January 22, 2008 in accordance with the following schedule:

<u>DESCRIPTION</u>	<u>NOT LATER THAN</u>
A. Submission of Preliminary Maps	November 2, 2007
B. Submission of Final Maps	December 28, 2007

6. **REVIEW AND APPROVAL**

The COR will notify the contractor, in writing, of approval or rejection citing any additions, corrections, or suggestions to the work within 25 calendar days. Any additions or corrections shall be completed and returned to the Government with 28 calendar days.

In the event the Government delays comments beyond the period specified, the Contractor shall be entitled to a day-to-day extension in the completion date.

7. **CONTRACTING OFFICER'S REPRESENTATIVE** for the purpose of this order is:

Tom Patterson
Cartographer
(304) 535-6020

Contract Number C1141070001

Order Number T1141070042

Task Order Number 1

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8. **GOVERNMENT-FURNISHED PROPERTY**

The Government will furnish the contractor with digital data on CD-ROM. Upon completion and acceptance of all work the Contractor shall return all government-furnished materials to the COR.

9. **ATTACHMENTS**

The following item is attached and incorporated into this order:

CD-ROM containing the following:

- A. Fort_map_mockup.jpg
- B. B Grid starter map.ait
- C. GWMP.ai (NPS map of George Washington Memorial Parkway)
- D. ROCR.ai (NPS map of Rock Creek Park)
- E. WANC.ai (NPS map of Washington, D.C.)
- F. nace_map.pdf